

PRODUCT-DETAILS

A26-30-01 660-690V 50Hz

A26-30-01 660-690V 50Hz Contactor



General Information

Extended Product Type	A26-30-01 660-690V 50Hz
Product ID	1SBL241001R5801
EAN	3471522061584
Catalog Description	A26-30-01 660-690V 50Hz Contactor
Long Description	A26 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC or 220 V DC. The contactors can also be used for many other applications such as isolation, capacitor switching, lighting. The A... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles, 1 built-in auxiliary contact, front and side-mounted add-on auxiliary contact blocks - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC100122C0202_Ch02
Instructions and Manuals	FPTC407722P0001

Dimensions

Product Net Width	54 mm
Product Net Depth / Length	93.6 mm
Product Net Height	90 mm
Product Net Weight	0.6 kg

Technical

Number of Main Contacts NO	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	1
Rated Operational Voltage	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f)	Supply Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 45 A acc. to IEC 60947-5-1, q = 40 °C 16 A
Rated Operational Current AC-1 (I_e)	(690 V) 40 °C 45 A (690 V) 55 °C 40 A (690 V) 70 °C 32 A
Rated Operational Current AC-3 (I_e)	(415 V) 55 °C 26 A (440 V) 55 °C 26 A (500 V) 55 °C 22 A (690 V) 55 °C 17 A (380 / 400 V) 55 °C 26 A (220 / 230 / 240 V) 55 °C 26 A
Rated Operational Power AC-3 (P_e)	(415 V) 11 kW (440 V) 15 kW (500 V) 15 kW (690 V) 15 kW (380 / 400 V) 11 kW (220 / 230 / 240 V) 6.5 kW
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 11.5 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 11.5 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 9 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 19 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 15 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 19 kvar (440 V) 40 °C, 50 / 60 Hz 20 kvar (440 V) 55 °C, 50 / 60 Hz 20 kvar (440 V) 70 °C, 50 / 60 Hz 16.5 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 23 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 23 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 19 kvar (690 V) 40 °C, 50 / 60 Hz 32 kvar (690 V) 55 °C, 50 / 60 Hz 32 kvar (690 V) 70 °C, 50 / 60 Hz 26 kvar
Rated Breaking Capacity AC-3	8 x I_e AC-3
Rated Making Capacity AC-3	10 x I_e AC-3
Rated Operational Current AC-15 (I_e)	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (380 / 400 V) 3 A
Short-Circuit Protective Devices	Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 50 A
Rated Short-time Withstand Current Low Voltage (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 210 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 45 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 90 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 400 A

	at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 110 A	
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 440 V 420 A cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 690 V 170 A	
Maximum Electrical Switching Frequency	(AC-1) 600 cycles per hour (AC-2 / AC-4) 300 cycles per hour (AC-3) 1200 cycles per hour	
Rated Operational Current DC-13 (I _e)	(24 V) 6 / 144 A (48 V) 2.8 / 134 A (72 V) 2 / 144 A (125 V) 1.1 / 138 A (250 V) 0.55 / 138 A	
Rated Insulation Voltage (U _i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V	
Rated Impulse Withstand Voltage (U _{imp})	8 kV	
Mechanical Durability	10 million	
Maximum Mechanical Switching Frequency	3600 cycles per hour	
Rated Control Circuit Voltage (U _c)	50 Hz 660 ... 690 V	
Coil Consumption	Average Holding Value 50 Hz 12 V-A Average Pull-in Value 50 Hz 120 V-A	
Operate Time	Between Coil De-energization and NC Contact Closing 7 ... 14 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NC Contact Opening 6 ... 18 ms Between Coil Energization and NO Contact Closing 8 ... 21 ms	
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	
Mounting by Screws (not supplied)	2 x M4 screws placed diagonally	
Connecting Capacity Main Circuit	Flexible with Cable End 0.75 ... 4 mm ² Rigid Cable 1.5 ... 6 mm ²	
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 mm ²	
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20	
Connecting Terminals (delivered in open position) Main Poles	M 4 (+,-) pozidriv 2 screws with cable clamp	
Terminal Type	Screw Terminals	

Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 40 A
Horsepower Rating UL/CSA	(200 ... 208 V AC) Three Phase 7-1/2 hp (220 ... 240 V AC) Three Phase 10 hp (440 ... 480 V AC) Three Phase 20 hp (550 ... 600 V AC) Three Phase 25 hp

Environmental

Ambient Air Temperature	Close to Contactor Fitted with Thermal O/L Relay -25 ... 55 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U _c) -40 ... 55 °C Close to Contactor without Thermal O/L Relay (U _c) -40 ... 70 °C Close to Contactor for Storage -60 ... +80 °C
Climatic Withstand	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Maximum Operating Altitude Permissible	Without Derating 3000 m
Resistance to Shock acc. to IEC 60068-2-27	Closed, Shock Direction: B1 10 g Open, Shock Direction: B1 5 g Shock Direction: A 20 g Shock Direction: B2 15 g

Shock Direction: C1 20 g

Shock Direction: C2 20 g

RoHS Status

Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

BV Certificate	BV_2634H07559E0
CB Certificate	CB_FR_602227A
CCC Certificate	CCC_2013010304615752
CQC Certificate	CQC2013010304615752 CQC2004010309133982
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CCC	2020980304001609 2020980304001227
Declaration of Conformity - CE	1SBD250801U1000
Declaration of Conformity - UKCA	1SBD250818U1000
DNV Certificate	DNV-GL_TAE00000TX
DNV GL Certificate	DNV-GL_TAE00000TX
EAC Certificate	EAC_RU C-FR ME77 B03599
Environmental Information	1SBD250004E1003
Instructions and Manuals	FPTC407722P0001
LR Certificate	LRS_9830011E4
RINA Certificate	RINA_ELE172319XG001
RMRS Certificate	RMRS_0507015250
RoHS Information	1SBD250801U1000
UL Certificate	UL_071301E39231

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	101 mm
Package Level 1 Depth / Length	115 mm
Package Level 1 Height	61 mm
Package Level 1 Gross Weight	0.6 kg
Package Level 1 EAN	3471522061584
Package Level 2 Units	box 24 piece
Package Level 2 Width	300 mm
Package Level 2 Depth / Length	245 mm
Package Level 2 Height	308 mm
Package Level 2 Gross Weight	14.4 kg
Package Level 3 Units	576 piece

Classifications

Object Classification Code	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - Power contactor, AC switching
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching

eClass

V11.0 : 27371003

UNSPSC

39121529

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors

